

I N D I R E C T   A I R   C A R R I E R   C E R T I F I C A T E

INTERGLOBAL FORWARDING SERVICES INC  
1A COLONY ROAD  
JERSEY CITY, NJ 07305  
FMC # 2747  
TELEPHONE NUMBER : 2018588560  
TSA APPROVAL NUMBER: EA9402060

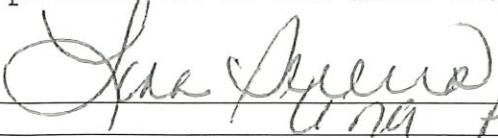
Airline: C.A.L. CARGO AIR LINES LTD

Air Waybill	: 700-74118203	Our Reference:	02FFAE23111281
Scheduled Flt:	0532	Departure	: 06 DEC 23
Origin	: JFK	Destination	: TLV
Pieces	: 17	Gross Wt	: 4904.2 K

Total Number and name of each unknown shipper represented is 0

Items being offered for transportation less than 16ounces 0

"INTERGLOBAL FORWARDING SERVICES INC  
is in compliance with its TSA-approved security program and  
all applicable security directives. Our number assigned by  
TSA is EA9402060. All cargo tendered in conjunction with  
this certification was either 1) accepted from a known  
shipper or an unknown shipper in accordance with TSA  
requirements specified in the Indirect Air Carrier Standard  
Security Program or 2) accepted under transfer from another  
aircraft operator, foreign air carrier, or IAC operating  
under a TSA-approved or accepted security program. The  
individual whose name appears below certifies that he or she  
is an employee or authorized representative of  
INTERGLOBAL FORWARDING SERVICES INC  
and understands that any fraudulent or false statement made  
in connection with this certification may subject this  
individual and INTERGLOBAL FORWARDING SERVICES INC  
to both (1) civil penalties under 49 CFR 1540.103(b) and (2)  
fines and/or imprisonment of not more than 5 years under  
18 USC 1001."

Signature of IAC Rep. 

Print name of IAC Rep. ANA PEREIRA

Date 12/1/23

Accepting Airline: C.A.L. CARGO AIR LINES LTD

Airline representative's Signature and ID number: \_\_\_\_\_

700 | JFK | 7411 8203

700-74118203

Shipper's Name and Address <b>OLIN CORP WINCHESTER DIV 600 POWDER MILL ROAD EAST ALTON IL 62024 13-1872319</b>		Shipper's Account Number		Not Negotiable		CAL CARGO AILINES LTD <b>Air Waybill C/O LUFTHANSA BUILDING 261 JFK INTL AIRPORT JAMAICA NY TEL. NO.:</b>	
Consignee's Name and Address <b>IMI SYSTEMS LTD 64 BIALIK BLVD RAMAT HASHARON 47100, ISRAEL 515218436</b>		Consignee's Account Number		Copies 1, 2 and 3 of this Air Waybill are originals and have the same validity			
Issuing Carrier's Agent Name and City <b>INTERGLOBAL FORWARDING SERVICES INC 1A COLONY ROAD JERSEY CITY, NJ 07305</b>		Accounting Information <b>FILE# 02FFAE23111281 FLT # 0532 SHP REF 27211268</b> <b>DATE 06 DEC 23 BILL IMIISR</b>					
Agent's Name and City <b>IMC #2747 01-1-9839-0012/</b>		Account No.		It is agreed that the goods described herein are accepted in apparent good order and condition (except as noted) for carriage SUBJECT TO THE CONDITIONS OF THE CONTRACT ON THE REVERSE HEREOF. ALL GOODS MAY BE CARRIED BY ANY OTHER MEANS INCLUDING ROAD HEREON BY THE SHIPPER, AND SHIPPER AGREES THAT THE SHIPMENT MAY BE CARRIED VIA INTERMEDIATE STOPPING PLACES WHICH THE CARRIER DEEMS APPROPRIATE. THE SHIPPER'S ATTENTION IS DRAWN TO THE NOTICE CONCERNING CARRIER'S LIMITATION OF LIABILITY. Shipper may increase such limitation of liability by declaring a higher value for carriage and paying supplemental charge if required.			
Airport of Departure (Addr. of First Carrier) and Requested Routing <b>J.F. KENNEDY AIRPORT</b>		Requested Flight/Date <b>0532/06</b>		Reference Markers <b>PREPARED BY LINA</b>		Optional Shipping Information	
To	By First Carrier	To	By	To	By	Currency	CHGS Code
<b>TLV</b>	<b>C.A.L. CARGO AIR LIN</b>					<b>USD</b>	<b>X</b>
Airport of Destination <b>BEN GURION AIRPORT</b>		Requested Flight/Date <b>0532/06</b>		Amount of Insurance <b>XXX</b>		Declared Value for Carriage <b>NVD</b>	
Handling Information <b>DANGEROUS GOODS AS PER ASSOCIATED SHIPPER'S DECLARATION LOT # 020745 PO#27211268 SREF:81963331/81963333 TEL AVIV, ISRAEL OVERPACK USED</b>		Divergence contrary to U.S. law prohibited		SCI			
No. of Pieces RCP	Gross Weight	Kg	Rate Class	Commodity Item No.	Chargeable Weight	Rate Charge	Total
17	4904.2	K			4904.5	4.80	23541.60
ECCNS: 0A505. 170 (48X48X37) In		Nature and Quantity of Goods (incl. Dimensions or Volume) <b>UN0044 PRIMERS, CAP TYPE CLASS 1.4S, P/I: 133 EX1987120142 OVERPACK USED HS#9603.30</b>					
AES X20231201661530							
17	4904.2	23541.60					
Prepaid		Weight Charge		Collect		Other Charges	
23541.60						<b>DANGEROUS GOODS (C) 100.00 FUEL SURCHARGE (C) 1471.35 MANUAL MAWB INP (C) 12.00</b>	
Valuation Charge							
Tax							
Total Other Charges Due Agent							
Total Other Charges Due Carrier							
1583.35							
Total Prepaid		Total Collect		Signature of Shipper or his Agent			
25124.95				<b>INTERGLOBAL FORWARDING SERVICES INC As Authorized Agent For Shipper OLIN CORP WINCHESTER DIV</b>			
Currency Conversion Rates		CC Charges in Dest. Currency		Signature of Issuing Carrier or its Agent			
				<b>01 DEC 2023 J.F. KENNEDY AIRPORT LINA PEREIRA</b> Executed on (date) at (place)			
For Carriers Use only at Destination		Charges at Destination		Total Collect Charges			


700-74118203

ORIGINAL (FOR SHIPPER)



## SHIPPER'S DECLARATION FOR DANGEROUS GOODS

(Provide at least two copies to the airline)

<b>Shipper</b> IMI SYSTEMS PDS FREIGHT SERVICES 230-59 ROCKAWAY BLVD SPRINGFIELD GARDENS, NY 11413 USA		<b>Air Waybill No.</b> 700-7411-8203 <b>Page 1 of 1</b> Pages <b>Shipper's Reference Number</b> 50513 / 020745 (optional)				
<b>Consignee</b> IMI SYSTEMS LTD. 64 BIALIK BLVD. RAMAT, HASHARON 47100, ISRAEL		 powered by ShipHazmat.NET				
<b>Two completed and signed copies of this Declaration must be handed to the operator</b>		<b>WARNING</b> Failure to comply in all respects with the applicable Dangerous Goods Regulations may be in breach of the applicable law, subject to legal penalties.				
<b>TRANSPORT DETAILS</b>						
This shipment is within the limitations prescribed for (delete non-applicable) <table border="1"><tr><td>PASSENGER AND CARGO AIRCRAFT</td><td><del>XXXXXXX</del> <del>XXXXXXX</del> <del>XXXXXXX</del> <del>XXXXXXX</del> <del>XXXXXXX</del></td></tr></table>		PASSENGER AND CARGO AIRCRAFT	<del>XXXXXXX</del> <del>XXXXXXX</del> <del>XXXXXXX</del> <del>XXXXXXX</del> <del>XXXXXXX</del>	<b>Airport of Departure</b> JFK, NEW YORK, USA		
PASSENGER AND CARGO AIRCRAFT	<del>XXXXXXX</del> <del>XXXXXXX</del> <del>XXXXXXX</del> <del>XXXXXXX</del> <del>XXXXXXX</del>					
<b>Airport of Destination</b> TEL-AVIV, ISRAEL		<b>Shipment Type</b> (delete non-applicable) <table border="1"><tr><td>NON-RADIOACTIVE</td><td><del>RADIOACTIVE</del></td></tr></table>		NON-RADIOACTIVE	<del>RADIOACTIVE</del>	
NON-RADIOACTIVE	<del>RADIOACTIVE</del>					
<b>NATURE AND QUANTITY OF DANGEROUS GOODS</b>						
<b>Dangerous Goods Identification</b>						
UN or ID No.	Proper Shipping Name	Class or Division (Subsidiary Hazard)	Packing Group	Quantity and type of packing	Packing Inst.	Authorization
UN0044	Primers, cap type	1.4S		120 Fibreboard boxes x 1.04 kg NEW = 0.11 kg Overpack used x 17 #50413-01 - #50413-17 Total quantity per overpack 124.8 kg NEW = 13.20 kg	133	EX1987120142
<b>Additional Handling Information</b> 24-Hour Emergency Contact Telephone Number: INT'L: +1-703-527-3887 / DOMESTIC: 1-800-424-9300 <b>Chemtrec CCN206451 PDS FREIGHT</b> 2,040 (4G) Fibreboard boxes in all OVER-PACKED onto 17 SKIDS for handling purposes. Competent Authority Approval "EX1987120142" attached based on request from Olin Winchester LLC (p/n WMSRL/Q5614MUIMI) I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. I declare that all of the applicable air transport requirements have been met.						
				<b>Name of Signatory</b> AL BEATRICE <b>Date</b> November 27, 2023 <b>Signature</b> (see warning above)		



U.S. Department  
of Transportation

Pipeline and Hazardous  
Materials Safety Administration

The US Department of Transportation  
Competent Authority for the United States

East Building PHH-32  
1200 New Jersey Avenue, Southeast  
Washington, D.C. 20590

**CLASSIFICATION OF EXPLOSIVES**  
**FIFTH REVISION**

Based upon a request by Olin Winchester, LLC, 600 Powder Mill Rd, East Alton, IL 62024-1273, US, the following items are classed in accordance with Section 173.56, Title 49, Code of Federal Regulations (49 CFR). A copy of your application, all supporting documentation and a copy of this approval must be retained and made available to DOT upon request.

An EX approval is non-transferable in any merger, acquisition, sale of assets, or other business transaction. For more information, please visit:  
[<https://www.phmsa.dot.gov/registration/faq-mergers-acquisitions-and-legal-status-changes-pdf>]

**U.N. PROPER SHIPPING NAME AND NUMBER:**

Primers, cap type, UN0044

**U.N. CLASSIFICATION CODE:** 1.4S

**REFERENCE NUMBER:**

EX1987120142

**PRODUCT DESIGNATION/PART NUMBER:**

P-7217-4 (D/N: P-7217-4, Rev P) (Q5608M,  
Q5603M, Q5613M, MQ5585M, Q5606M,  
Q5614MU, Q5614MUIM1, Q5614MUGOI),  
P-7217-35

NOTES: This classification is only valid when the cap-type primers are packaged as follows:

Inner Packaging - Trays, plastic with recessed cavities and fiberboard or plastic sleeve covers, each containing not more than one hundred (100) primers in a uniform segregated array.

Intermediate Packaging - Boxes, cardboard, each containing not more than ten (10) inner packagings.

Outer Packaging - UN 4G fiberboard box, each containing not more than five (5) intermediate packagings.

This revision supersedes all previous revisions.

**DATED:** May 29, 2019

for William Schoonover

Tracking No: 2019035038

Page 1 of 2

Associate Administrator for Hazardous Materials Safety





OLIN WINCHESTER, LLC  
WINCHESTER INTERNATIONAL  
EAST ALTON, ILLINOIS 62024-1273 U.S.A.

Page 1  
Printed 11/01/2023

DUNS 081227882  
Federal I.D. 82-3364878 QC Reg: 1222645910 (Repeat printout)

### EXPORT COMMERCIAL INVOICE

(Factura Comercial De Exportacion)

SHIPMENT ORIGIN (Origen Del Embarque En EE. UU.)  
East Alton, IL, US

INVOICE NO (Nro. De La Factura)	INVOICE DATE (Fecha Del Pedido)	CUST NO (Nro. Del Cliente)	CUST P O NO (Nro. Del Pedido)	ORDER DATE (Fecha Del Pedido)	OLIN REF. NO (Nro. De Ref. Olin)	OLIN DELIV. NO (Nro. De Entrega)
92260867	10/31/2023	15495	27211268	08/03/2020	1099988	81963331

BILL TO: (Facturado A)

IMI SYSTEMS LIMITED  
PLANT 72  
64 BIALIK BLVD  
47100 RAMAT HASHARON  
STATE OF ISRAEL

CONSIGNEE TO: (Consignado)

IMI SYSTEMS LIMITED  
PLANT 72  
64 BIALIK BLVD  
47100 RAMAT HASHARON  
STATE OF ISRAEL

INSURANCE: (Seguro)  
INSURANCE BY TRUCK LINE  
TERMS: (Condiciones De Pago)  
100% PREPAYMENT IN ADVANCE OF SHIPMENT

MARKS: (Marcas)  
IMI SYSTEMS LIMITED  
PLANT 72, 64 BIALIK BLVD  
47100 RAMAT HASHARON, ISRAEL  
P.O.#: 27211268 | WIN#: 1099988  
MADE IN U.S.A.

BANK: (Banco)

SHIPPED VIA: (Embarcado Por)  
OLD DOMINION FREIGHT LINES TO G&B PACKING

IMPORT LICENSE NO: (Nro. Del Permiso De Importacion)

QUANTITY (Cantidad)	MATERIAL (Moldeo)	DESCRIPTION (Descripcion)	UNIT PRICE (Precio PU)	AMOUNT (Valor)
CENTERFIRE PRIMERS-RIFLE (FULMINANTES DE FUEGO CENTRAL-RIFLES)				
3,130,000.0 PC	WMSRL	41 UNPLTD PARA RETAIL PRM CF LCAP	██████████ / 1 TH	██████████
7,070,000.00	WMSRL	41 UNPLTD PARA RETAIL PRM CF LCAP	██████████ / 1 TH	██████████
SUBTOTAL:	10,200,000 UNITS	██████████		
TOTAL PRODUCT VALUE			USD	██████████



OLIN WINCHESTER, LLC  
WINCHESTER INTERNATIONAL  
EAST ALTON, ILLINOIS 62024-1273 U.S.A.

Page 2

(Repeat printout)

EXPORT COMMERCIAL INVOICE

(Factura Comercial De Exportacion)

SHIPMENT ORIGIN (Origen Del Embarque En EE. UU.)  
East Alton, IL, US

INVOICE NO (Nro. De La Factura)	INVOICE DATE (Fecha Del Pedido)	CUST NO (Nro. Del Cliente)	CUST P O NO (Nro. Del Pedido)	ORDER DATE (Fecha Del Pedido)	OLIN REF. NO (Nro. De Ref. Olin)	OLIN DELIV. NO (Nro. De Entrega)
92260867	10/31/2023	15495	27211268	08/03/2020	1099988	81963331

ABOVE PRICES ARE EXW, EAST ALTON, ILLINOIS USA (INCOTERMS 2020) WITH  
SELLER TO LOAD CUSTOMER'S NOMINATED CARRIER

\*\*\*\*\*

REMIT PAYMENT BY WIRE TRANSFER TO:

BANK OF AMERICA

OLIN WINCHESTER, LLC

CHICAGO, IL 60693

ABA # 111000012

ACCOUNT # 3751606802

SWIFT CODE: BOFAUS3NXXX

\*\*\*\*\*

SCHEDULE B#: 9306.30.8000 (WMSRL)

\*\*\*\*\*

THIS CONTRACT SHALL BE GOVERNED BY, INTERPRETED, AND CONSTRUED IN  
ACCORDANCE WITH THE LAWS OF THE STATE OF NEW YORK, UNITED STATES OF  
AMERICA, EXCEPT THAT THE UNITED NATIONS CONVENTION ON CONTRACTS FOR THE  
INTERNATIONAL SALE OF GOODS SHALL NOT APPLY TO THIS CONTRACT.

\*\*\*\*\*

THESE ITEMS ARE CONTROLLED BY THE U.S. GOVERNMENT AND AUTHORIZED FOR  
EXPORT ONLY TO THE COUNTRY OF ULTIMATE DESTINATION FOR USE BY THE  
ULTIMATE CONSIGNEE OR END-USER(S) HEREIN IDENTIFIED. THEY MAY NOT BE  
RESOLD, TRANSFERRED, OR OTHERWISE DISPOSED OF, TO ANY OTHER COUNTRY OR  
TO ANY PERSON OTHER THAN THE AUTHORIZED ULTIMATE CONSIGNEE OR  
END-USER(S), EITHER IN THEIR ORIGINAL FORM OR AFTER BEING INCORPORATED  
INTO OTHER ITEMS, WITHOUT FIRST OBTAINING APPROVAL FROM THE U.S.  
GOVERNMENT OR AS OTHERWISE AUTHORIZED BY U.S. LAW AND REGULATIONS.

COUNTRY OF ULTIMATE DESTINATION: ISRAEL

END-USER: ISRAEL

U.S. COMMERCE DEPT. LICENSE: D1209894

\*\*\*\*\*

I, THE UNDERSIGNED, HERBY DECLARE THAT UNLESS OTHERWISE INDICATED, THE  
GOODS COVERED BY THIS DOCUMENT FULLY COMPLY WITH THE RULES OF ORIGIN AND  
THE OTHER PROVISIONS OF THE AGREEMENT ON THE ESTABLISHMENT OF A FREE  
TRADE AREA BETWEEN THE GOVERNMENT OF ISRAEL AND THE GOVERNMENT OF THE  
UNITED STATES OF AMERICA.

(X) THE EXPORTER (WHETHER THE EXPORTER IS THE  
PRODUCER OR NOT.)

(X) THE PRODUCER (IS NOT THE EXPORTER.)



# Packing List



EAST ALTON, ILLINOIS 62024-1273  
TELEPHONE (618) 258-2000

CUSTOMER NUMBER	CUSTOMER ORDER NO.	BILL OF LADING NO.	PACKING LIST NO.	DATE PACKED	PAGE NO.
0000015495	27211268	0962488	0081963331		1

**Bill-To:**

IMI SYSTEMS LIMITED  
PLANT 72  
64 BIALIK BLVD

RAMAT HASHARON, 47100

**Ship-To:**

IMI SYSTEMS LIMITED  
PLANT 72  
64 BIALIK BLVD

RAMAT HASHARON, 47100

SHIP VIA: FGES

PRODUCT IDENTIFICATION			PACKING DETAIL			SHIPPING DETAIL		B-L CLASS
DESCRIPTION	LOT NUMBER	SYMBOL	SHIPPING UNIT	NUMBER OF SHIPPING UNITS	NO. OF PIECES PER UNIT	TOTAL BOXES SHIPPED	TOTAL PIECES SHIPPED	
41 UNPLTD PARA RETAIL PRM CF LCAP	----	WMSRL	CS	626	5000	31300	3130000	C1

GROSS WEIGHT OF THIS ORDER IN KILO = 1,364.00

TOTAL NET CUBE IN FEET OF THIS ORDER = 120.00

SHIPPING UNIT  
LEGEND

BG= BAG

BX= BOX

CS= CASE

DR= DRUM

PL= PALLET

PI= PIECE

FULL CASES THIS  
ORDER

626

MIXED CASES THIS  
SHIPMENT

0

WEIGHT THIS ORDER  
EXCLUDING PALLETS

3,005





# Packing List



EAST ALTON, ILLINOIS 62024-1273  
TELEPHONE (618) 258-2000

CUSTOMER NUMBER	CUSTOMER ORDER NO.	BILL OF LADING NO.	PACKING LIST NO.	DATE PACKED	PAGE NO.
0000015495	27211268	0962488	0081963333		2

**Bill-To:**

IMI SYSTEMS LIMITED  
PLANT 72  
64 BIALIK BLVD

RAMAT HASHARON, 47100

**Ship-To:**

IMI SYSTEMS LIMITED  
PLANT 72  
64 BIALIK BLVD

RAMAT HASHARON, 47100

**SHIP VIA:** FGES

PRODUCT IDENTIFICATION			PACKING DETAIL			SHIPPING DETAIL		B-L CLASS
DESCRIPTION	LOT NUMBER	SYMBOL	SHIPPING UNIT	NUMBER OF SHIPPING UNITS	NO. OF PIECES PER UNIT	TOTAL BOXES SHIPPED	TOTAL PIECES SHIPPED	
41 UNPLTD PARA RETAIL PRM CF LCAP	----	WMSRL	CS	1414	5000	70700	7070000	C1

GROSS WEIGHT OF THIS ORDER IN KILO = 3,079.00

TOTAL NET CUBE IN FEET OF THIS ORDER = 270.00

SHIPPING UNIT  
LEGEND

BG= BAG

BX= BOX

CS= CASE

DR= DRUM

PL= PALLET

PI= PIECE

FULL CASES THIS  
ORDER

1414

MIXED CASES THIS  
SHIPMENT

0

WEIGHT THIS ORDER  
EXCLUDING PALLETS

6,787



## SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI, Canadian WHMIS, Australian WorkSafe, Japanese Standard JIS Z 7250:2000, and EU REACH Regulations

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: **PRIMERS – CENTERFIRE**

CAS Number: Mixture – Metal Alloy  
Synonyms: #1 ½, 108, WSP, #1 ½ M, 108H, WSPM, #6 ½, 116, WSR, 116M-282A, #7, 111, WLP, #8 ½, 120, WLR, #8 ½ M, 120H, WLRM, #34 Primer, #41 Primer, 50 Cal Primer, M29A1C Primer, M35C Primer, M42C1 Primer, WMGSP, WMGLP, WMGSR, WMGLR.

Product Use: Small Arms Ammunition Primer  
U.N. Number: UN 0044; UN 0378  
U.N. Dangerous Goods Class: Explosive, 1.4S; Explosive, 1.4B  
Manufacturer/Responsible Party: Olin Winchester, LLC  
Manufacturers' Address: 600 Powder Mill Road, East Alton, IL 62024 [www.winchester.com](http://www.winchester.com)

Emergency Telephone Number: US/Canada: 1-800-424-9300  
Outside US/Canada: 703-527-3887

SDS Control Group: 618-258-3507 (Technical Information Only)

Olin SDS No.: 00060.0001

Issue Date: 6/1/15

Revision Date: 01/04/2022

Revision No.: 7

### 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: EXPLOSIVE. KEEP AWAY FROM HEAT. DO NOT SUBJECT TO MECHANICAL SHOCK. PARTICLES FROM FIRING MAY BE HARMFUL IF INHALED. DO NOT TAKE INTERNALLY.

US DOT SYMBOLS

CANADA (WHMIS) SYMBOLS

GHS HAZARD SYMBOLS

This Product is not subject to WHMIS

Class 6 Explosive



GHS Classifications:

Explosive Division 1.4  
STOT RE Category 1  
Carcinogenicity Category 1A  
Reproductive Toxicity Category 1A  
Aquatic Environment, Chronic II

Signal Word:

Danger

Hazard Statements :

H204: Fire or projection hazard  
H372: Causes damage to nervous system, kidney, and hematopoietic system through prolonged or repeated exposure  
H360: May damage fertility or the unborn child  
H411: Toxic to aquatic life with long lasting effects

Target organs:

Nervous, renal and hematopoietic systems

Precautionary Statements:

P102: Keep out of reach of children  
P210: Keep away from heat/sparks/open flame/hot surfaces – No smoking  
P240: Ground container and receiving equipment  
P250: Do not subject to shock/impact/excessive force/friction/static electricity/mishandling  
P260: Do not breathe dust  
P264: Wash hands thoroughly after handling  
P270: Do not eat, drink or smoke when using this product  
P271: Use only outdoors or in a well-ventilated area  
P273: Avoid release to the environment  
P280: Wear eye protection  
P370+P380: In case of fire: Evacuate area  
[if 1.4B] P373: Do NOT fight fire when fire reaches explosives  
[if 1.4S] P374: Fight fire with normal precautions from a reasonable distance  
P410: Store in accordance with local regulations  
P501: Dispose of contents in accordance with local regulations

GHS Pictograms:

Explosive; Pictogram: exploding bomb  
Specific Target Organ Toxicity; Pictogram Code: GHS08  
Environment; Pictogram Code: GHS09



**EU Classifications:**

Hazard Symbols

Risk Phrases

E, T, N

R2: Risk of explosion by shock, friction, fire or other sources of ignition

R45 (Category 1): May cause cancer

R48: Danger of serious damage to health by prolonged exposure

R60: May impair fertility

R63: Possible risk of harm to the unborn child

R51/53: Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment

S2: Keep out of reach of children

S20/21: When using do not eat, drink or smoke

S39: Wear eye/face protection

S43: In case of fire, use Class A equipment

S53: Store in well-ventilated area

S61: Avoid release to the environment

Safety Phrases

**Health Hazards or Risks From Exposure**

This product is composed of a metal capsule which contains the various components completely sealed within. Therefore, under normal handling of this product, no exposure to any harmful materials will occur. When the product is fired, a small amount of particles may be generated which may be slightly irritating to the eyes and the respiratory tract. The particles may contain trace amounts of these harmful substances:

**Lead:** Ingestion of large amounts of lead can cause abdominal pain, constipation, cramps, nausea and/or vomiting. Chronic exposure to lead can cause kidney damage, anemia, reproductive effects, developmental effects and permanent nervous system damage in humans including changes in cognitive function. Occupational exposure to lead is associated with lung and stomach cancer. Lead is classified as a probable human carcinogen.

**Copper:** Inhalation of high concentrations of metallic copper dusts or fumes may cause nasal irritation and/or nausea, vomiting and stomach pain.

**Antimony sulfide:** Inhalation of high concentrations may cause dizziness, headache, and nausea. Workers chronically exposed to high concentrations of antimony sulfide have developed heart and blood effects.

**Barium nitrate:** Ingestion of large doses of soluble barium compounds can cause cyanosis, skeletal muscle paralysis, respiratory arrest, irregular heartbeat and hypertension.

It is unlikely that the amount of particles that someone would be exposed to from firing would be sufficient to cause any of these effects.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Components	% By Weight	CAS Number	EINECS/ ELINCS #
Copper	55 - 96	7440-50-8	231-159-6
Zinc	10 - 55	7440-66-6	231-175-3
Lead styphnate	4 - 5	15245-44-0	239-290-0
Barium nitrate	3 - 3.5	10022-31-8	233-020-5
Antimony sulfide	1 - 5	1345-04-6	215-713-4
Lead thiocyanate	0 - 0.6	592-87-0	209-774-6

**4. FIRST AID MEASURES**

**Eye Contact:** Immediately flush out fume or particles with large amounts of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. If eye irritation develops, call a physician at once.

**Skin Contact:** Wash skin with plenty of soap and water.

**Inhalation:** If symptoms of lung irritation occur (coughing, wheezing or breathing difficulty), remove from exposure area to fresh air immediately. If breathing has stopped, perform artificial respiration. Keep affected person warm and at rest. Get medical attention.

**Ingestion:** If ingested, immediately call a physician.

Medical Conditions Aggravated By Exposure:

There are no medical conditions known to be aggravated by exposure to this product in its solid form. Exposure to lead can aggravate anemia, cardiovascular and respiratory disease.

Recommendations To Physicians:

Remove from exposure, if possible, and treat symptoms

## 5. FIRE FIGHTING MEASURES

PROPERTY	VALUE	PROPERTY	VALUE
Explosive	Yes	Flammable	Not applicable
Combustible	Not applicable	Pyrophoric	No
Flash Point (°C):	Not applicable	Burning Rate of Material:	Not applicable
Lower Explosive Limit:	Not applicable	Autoignition Temp.:	No data
Upper Explosive Limit:	Not applicable	Flammability Classification: (defined by 29 CFR 1910.1200)	Explosive

Unusual Fire and Explosion Hazards:Extinguishing Media:Special Firefighting Procedures:

Possible projection hazard.

Flood area with water. If no water is available, carbon dioxide, dry chemical or earth may be used.

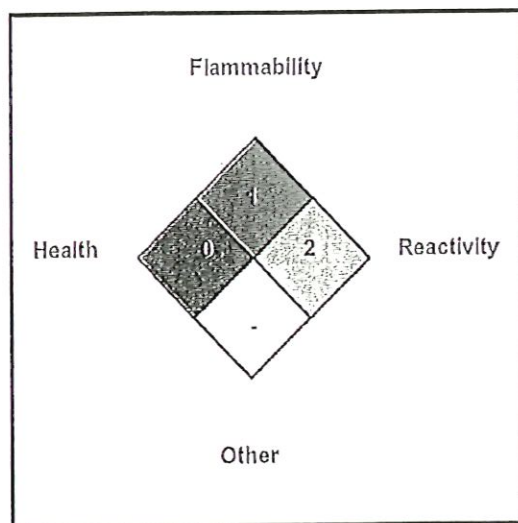
Do not fight fire when fire reaches cargo. Cargo may explode.

Firefighters must wear self-contained breathing apparatus (SCBA) and full protective equipment. Structural firefighters' protective clothing will provide protection.

Isolate materials not yet involved in the fire. Move containers from fire area if possible; otherwise, cool with carefully applied water spray.

Prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas, if practical.

## NFPA RATING SYSTEM



## HMIS RATING SYSTEM

HEALTH HAZARD (BLUE)		0*
FLAMMABILITY HAZARD (RED)		1
PHYSICAL HAZARD (YELLOW)		2
PROTECTIVE EQUIPMENT		
EYES	PPE CODE	RESPIRATORY
See Sect 8	A	See Sect 8
		See Sect 8

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard



## 6. ACCIDENTAL RELEASE MEASURES

FOR ALL TRANSPORTATION ACCIDENTS, CALL CHEMTREC AT 800-424-9300.

Spill Response: A spill of this material will normally not require emergency response team capabilities. If, however, a large spill occurs, call 1-888-289-1911 for technical assistance.

Accidental Release Procedures: Spills of this material should be handled carefully. Do not subject materials to mechanical shock. Collect material and place in a designated, labeled waste container. See Section 13 for waste disposal.

## 7. HANDLING AND STORAGE

Precautions for Safe Handling: Use appropriate personal protective equipment (see Section 8). Workers should wash hands thoroughly after handling. Eating, drinking and smoking should be prohibited in areas where this material is handled and stored.

Conditions for Safe Storage: Store in accordance with local regulations. Store in original containers in a cool, dry location away from Acids, Class A & B explosives, strong oxidizers, and caustics. Avoid mechanical impact or shock and electrical discharge.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

CAS #	CHEMICAL NAME	ACGIH TLV	OSHA PEL	INTERNATIONAL OELS
7440-50-8	Copper	0.2 mg/m <sup>3</sup> (fume), 1 mg/m <sup>3</sup> (dusts and mists)	0.1 mg/m <sup>3</sup> (fume) 1 mg/m <sup>3</sup> (dusts and mists)	Austria, Belgium, Canada: 0.2 mg/m <sup>3</sup> (fumes), 1 mg/m <sup>3</sup> (dusts) Denmark: 1.0 mg/m <sup>3</sup> (dust and powder) Germany (MAK): 0.1 mg/m <sup>3</sup> (fume), 1 mg/m <sup>3</sup> (dusts and mists)
7440-66-6	Zinc	None established	None established	None established
15245-44-0	Lead stypnate	None established	None established	None established
10022-31-8	Barium nitrate	0.5 mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup>	Germany (MAK): 0.5 mg/m <sup>3</sup> (I), Peak = II (2)
1345-04-6	Antimony sulfide	0.5 mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup>	Austria, Belgium, Denmark, Finland, Hungary, Netherlands, Poland, Switzerland, U.K.: 0.5 mg/m <sup>3</sup>
592-87-0	Lead thiocyanate	None established	None established	Austria, Belgium, Denmark, France, Finland, Germany, Hungary, Netherlands, Norway, Poland, Sweden, UK: 0.5 mg/m <sup>3</sup>
				None established

Engineering Controls: Local exhaust ventilation is recommended if significant dusting occurs or fumes are generated. Otherwise, use general exhaust ventilation.

Respiratory Protection: Not normally needed. Maintain airborne contaminant concentrations below guidelines listed above. Use an appropriate approved air-purifying respirator equipped with HEPA cartridges/canisters where there is the potential for exceeding established occupational exposure limits.

Eye/Face Protection: Use safety glasses.

Hand Protection: Not normally needed.

Skin Protection: Not normally needed.

Hearing Protection: Not normally needed. During firing use hearing protection.

General Hygiene: Do not eat, drink, or smoke while using this product. Wash hands thoroughly after use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTY	VALUE	PROPERTY	VALUE
Appearance:	Brass cup assembly	Physical State:	Solid
Odor:	None	Odor Threshold:	None
Boiling Point (°F):	Not applicable	Melting point:	Not applicable
Vapor Pressure (mm Hg):	Not applicable	Freezing point:	Not applicable
Vapor Density (air = 1):	Not applicable	Bulk Density:	Not applicable
Specific gravity (g/cc):	Not applicable	Viscosity (cps):	Not applicable
pH:	Not applicable	Decomposition Temperature:	82°C (180°F)
Solubility in Water (20 °C):	Insoluble	Evaporation Rate:	Not applicable
Volatiles, Percent by volume:	Not applicable	Octanol/water partition coefficient:	Not applicable



## 10. STABILITY AND REACTIVITY

Stability:

Stable under normal temperatures and pressure.

Possibility of Hazardous Reactions:

Hazardous polymerization will not occur

Incompatible Materials:Acids, Class A & B explosives, strong oxidizers, caustics and ammonia  
Nitrogen oxides, carbon monoxide, lead oxides, carbon dioxide, lead dust/fumeHazardous Decomposition Products:Conditions to Avoid:

Will detonate with mechanical impact or shock; avoid physical damage (puncture) of containers. Avoid contact with incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

Potential Routes of Entry: Inhalation, Skin, and by Ingestion.

The physical nature of this product makes absorption from any route unlikely. A small amount of inhalable particles may be created when cartridge is fired.

Effects Of Acute Exposure:

PRODUCT		COMPONENTS					
		Lead styphnate	Lead thiocyanate	Barium nitrate	Antimony sulfide	Copper	Zinc
Inhalation LC <sub>50</sub>	Particles generated from firing may be slightly toxic	No data	No data	No data	No data	No data	No data
Skin Contact LD <sub>50</sub>	Skin absorption unlikely	No data	No data	No data	>139 mg/kg, sc	375 mg/kg, sc (rabbit)	No data
Ingestion LD <sub>50</sub>	Ingestion unlikely	No data	No data	355 g/kg (rat)	209 mg/kg, lp (mouse)	3.5 mg/kg, lp (mouse)	No data
Irritation	Particles generated from firing may be slightly irritating to the eyes	No data	No data	Eye and skin irritant	Eye, skin and respiratory irritant	Respiratory irritant	Eye irritant
Sensitization	Sensitization to this Product has not been reported	No data	No data	No data	No data	No data	No data

Other Adverse Effects:Target Organ Toxicity:

No reported target organ toxicity from this product. Lead has caused nervous system, kidney and hematopoietic system damage in humans and laboratory animals.

Reproductive Toxicity:

This product is not known or reported to cause reproductive effects. Lead has been shown to reduce male reproductive function in humans and laboratory animals.

Teratogenicity (Birth Defects):

This product is not known or reported to cause developmental toxicity. Lead has been shown to affect fetal development including birth defects.

Mutagenicity:This product is not known or reported to be mutagenic. Lead has been shown to be mutagenic in several *in vitro* assays.Carcinogenicity:

IARC and US EPA list lead and lead compounds as probable human carcinogens (Group 2A) based on sufficient evidence from animal studies and limited evidence from human studies (epidemiology). NTP classifies lead and lead compounds as reasonably anticipated to be human carcinogens.

## 12. ECOLOGICAL INFORMATION

Environmental Effects:

PRODUCT: Product has not been tested for environmental properties.

COMPONENTS:Copper:

Copper concentrations from 0.1 to 1.0 mg/l have been found to be not toxic for most fish. However, concentrations of 0.015 to 3.0 mg/l have been reported as toxic, particularly in soft water to many kinds of fish, crustacea, mollusks, insects, and plankton.

Lead: LC 50 (48 hrs.) to bluegill is reported to be 2-5 mg/l. Lead is toxic to waterfowl.  
Zinc: The following concentrations of zinc have been reported as lethal to fish: 0.13 mg/l, for 12 – 24 hours to Rainbow trout fingerlings; 1.9 – 3.6 mg/l, 6 hr TLM (soft water, 30°C) to Bluegill Sunfish; 4 mg/l, 3 days (hard water) to Rainbow trout; 1 mg/l, 24 hours (soft water) to Sticklebacks.  
The presence of copper appears to have a synergistic effect on the toxicity of zinc towards fish.

Environmental Fate:

MOBILITY: Released lead may migrate through soil.  
PERSISTENCE/DEGRADABILITY: Not biodegradable. Released lead may accumulate.  
BIOACCUMULATION: No data

13. DISPOSAL CONSIDERATIONS

Care must be taken to prevent environmental contamination from the use of this material. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding the treatment, storage and disposal for hazardous and nonhazardous wastes.

14. TRANSPORT INFORMATION

Regulatory Information for US DOT, IATA, IMO, and ADR:

Proper Shipping Name: Primers, Cap Type  
Hazard Class Number and Description: Explosive 1.4S or 1.4B  
UN Identification Number: UN 0044 or UN 0378  
Packing Group: PGII  
DOT Label(s) Required: Explosive 1.4  
Marine Pollutant: None of the ingredients are classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)

Additional Information:

North American Emergency Response Guidebook Number (2004): 114

U.S. DEPARTMENT OF TRANSPORTATION SHIPPING REGULATIONS: This product is classified as dangerous goods under 49 CFR 172.101. Note: May be reclassified domestically as an ORM-D if packaged as a consumer commodity per 49 CFR 173.

TRANSPORT CANADA, TRANSPORTATION OF DANGEROUS GOODS REGULATIONS: This product is classified as Dangerous Goods.

INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA): This product is classified as Dangerous Goods.

INTERNATIONAL MARITIME ORGANIZATION (IMO) DESIGNATION: This product is classified as Dangerous Goods.

EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY ROAD (ADR): This product is classified by the United Nations Economic Commission for Europe to be dangerous goods.



## 15. REGULATORY INFORMATION

US FEDERAL

TSCA	The components of this product are listed on the Toxic Substance Control Act inventory.				
CERCLA:	Antimony, R.Q.* = 5000 lbs.; Copper, R.Q. = 5000 lbs.; Zinc, R.Q. = 1000 lbs.; Lead thiocyanate, R.Q. = 10 lbs. (No reporting is required if diameter of the pieces of metal is equal to or exceeds 100 micrometers (0.004 inches)).				
SARA 313:	Antimony compounds, Barium compounds, Copper, Lead and Lead compounds, Zinc (fume or dust)				
SARA 311/312:	<u>Health:</u>	Acute -- No Chronic - No	<u>Fire:</u> No	<u>Reactivity:</u> None	<u>Release of Pressure:</u> Yes
SARA 302 EHS List:	None of the components of this product are listed.				

\*RQ = Reportable Quantity

STATE RIGHT-TO-KNOW STATUS

Component	California	New Jersey	Pennsylvania	Massachusetts	Michigan
Copper	Not listed	X	X	X	X
Zinc	Not listed	X	Not listed	X	X
Antimony sulfide	Not listed	Not listed	Not listed	Not listed	Not listed
Barium nitrate	Not listed	Not listed	X	X	Not listed
Lead thiocyanate	X	Not listed	Not listed	X	Not listed
Lead styphnate	X	Not listed	Not listed	X	Not listed

CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT (PROPOSITION 65)

Warning! This product contains detectable amounts of a chemical known to the State of California to cause cancer and/or birth defects or other reproductive harm.

GHS CLASSIFICATION

Explosive Division 1.4  
 STOT RE Category 1  
 Carcinogenicity Category 1A  
 Reproductive Toxicity Category 1A  
 Aquatic Environment, Chronic II

EUROPEAN REGULATIONSHazard Classification

Danger Symbols: E, T, N

Risk Phrases: R2, R48, R60, R63, R51/53

Safety Phrases: S2, S15, S20/21, S22, S39, S51, S61

German WGK Classification: Not known.

CANADIAN REGULATIONS

DSL/NDL Inventory: The components of this product are on the DSL

IDL: Antimony compounds, Barium nitrate, Copper

CEPA PRIORITIES LIST: None of the components of this product are listed

WHMIS: This product is not subject to WHMIS. It is regulated as a Class 6 Explosive in Canada.



## JAPANESE REGULATIONS

Existing National Inventory of Chemical Substances (ENCS): The components of this product are listed

Japanese Priority Assessment Chemical Substances: None of the components of this product are listed

## OTHER INTERNATIONAL CHEMICAL INVENTORIES

Swiss Giftliste List of Toxic Substances:	All Components Listed
Australian Inventory (AICS):	All Components Listed

## 16. OTHER INFORMATION

REVISIONS: 06

DATE: 01/04/2022

PREPARED BY: Olin Winchester, LLC

OTHER: Additional information available from: [www.winchester.com](http://www.winchester.com)

**NOTICE:** THE INFORMATION IN THIS SDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. THIS INFORMATION HAS BEEN PREPARED FOR THE GUIDANCE OF PLANT ENGINEERING, OPERATIONS AND MANAGEMENT AND FOR PERSONS WORKING WITH OR HANDLING THIS PRODUCT. OLIN BELIEVES THIS INFORMATION TO BE RELIABLE AND CURRENT AS OF THE DATE OF PUBLICATION, BUT MAKES NO WARRANTY THAT IT IS.